

Table 2. Summary of geologic data obtained from holes drilled for oil

TEM 1033

Hole No. 1			Hole No. 2			Hole No. 3			Hole No. 4			Hole No. 5			Hole No. 6			Hole No. 7			Hole No. 8			Name of formation and member	Geologic age		
Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)								
	From	To		From	To		From	To		From	To		From	To		From	To		From	To	From	To					
0	115	115	0	90	90	0	20(?)	20(?)	0	70	70	0	35	35	0	10	10	0	40	40	0	190	190	Caliche and unconsolidated clay, and sand	Quaternary		
-	-	0	-	-	0	20(?)	205	185(?)	-	-	0	35	585	550	-	-	0	-	-	0	190	495	305	Pierce Canyon redbeds	Permian or Triassic		
115	240	125	90	240	130	205	525	320	70	345	275	585	955	370	10	154	144	40	200	160	495	850	355	Rustler formation	Permian		
-	-	0	-	-	0	205	285	80	70	100	30	585	649	64	-	-	0	-	-	0	495	565	70	Upper gypsum member			
-	-	0	-	-	0	285	300	15	100	120	20	649	667	18	-	-	0	40	45	5	565	600	35	Magenta dolomite member of Adams (1944)			
115	130	15	-	-	0	300	400	100	120	205	85	667	758	91	-	-	0	45	80	35	600	715	115	Middle gypsum member			
130	150	20	90	125	35	400	430	30	205	235	30	758	782	24	10	39	29	80	105	25	715	740	25	Culebra dolomite member			
150	240	90	125	240	115	430	525	95	235	345	110	782	955	173	39	154	115	105	200	95	740	850	110	Lower sandstone member			
240	1,940	1,700	240	1,724	1,484	525	2,430	1,905	345	2,082	1,737	955	2,770	1,815	154	1,466	1,312	200	1,693	1,493	850	2,730	1,880	Salado formation	Permian		
343	-	-	320	-	-	530	-	-	360	-	-	1,000	-	-	272	-	-	-	289	-	-	935	-	-	Top of salt		
470 ± 10	-	-	430	435	-	1,010	1,015	-	780	785	-	1,420	1,425	-	-	-	-	-	320 ± 5	-	-	1,180 ± 10	-	-	Vaca Triste sandstone member of Adams (1944)		
670 ± 5	-	-	600 ± 5	-	-	1,198	1,210	-	1,006	1,019	-	1,645	1,660	-	376	395	-	-	520 ± 10	-	-	1,420(?)	-	-	Union anhydrite member (of local usage)		
1,940	3,459	1,519	1,724	3,155	1,431	2,430	3,752	1,322	2,082	3,573	1,491	2,770	4,320	1,550	1,466	3,055	1,589	1,693	3,122	1,429	2,730	4,330	1,600	Castile formation	Permian		
1,940	2,230	290	1,724	2,200	476	2,430	2,880	450	2,082	2,761	679	2,770	3,465	695	1,466	2,217	751	1,693	2,140	447	2,730	3,570	840	Upper anhydrite member			
2,230	2,560	330	2,200	2,440	240	2,880	3,060	180	2,761	2,940	179	3,465	3,675	210	2,217	2,412	195	2,140	2,376	236	3,570	3,735	165	Second salt member			
2,560	2,690	130	2,440	2,540	100	3,060	3,160	100	2,940	3,048	108	3,675	3,757	82	2,412	2,505	93	2,376	2,491	115	3,735	3,845	110	Middle anhydrite member			
2,690	3,140	450	2,540	2,895	355	3,160	3,500	340	3,048	3,340	292	3,757	4,090	333	2,505	2,843	338	2,491	2,860	369	3,845	4,090	245	First salt member			
3,140	3,459	319	2,895	3,155	260	3,500	3,752	252	3,340	3,573	233	4,090	4,320	230	2,843	3,055	212	2,860	3,122	262	4,090	4,330	240	Lower anhydrite member			
3,459	3,658 (T.D.)	-	3,155	3,260 (T.D.)	-	3,752	? 15,854 (T.D.)	-	3,573	3,715 (T.D.)	-	4,320	4,410 (T.D.)	-	3,055	3,144 (T.D.)	-	3,122	3,322 (T.D.)	-	4,330	4,330 (T.D.)	-	-	Bell Canyon formation	Permian	
		3,344			3,045			3,547			3,503			3,735			3,045									Total thickness of upper Permian evaporites (Rustler, Salado, and Castile formations).	
																				3,082				3,835			

No. 1 Stanolind Oil and Gas Co., No. 1 Duncan

No. 2 Ohio Oil Co., No. 1 Workman

No. 3 Richardson & Bass, No. 1 Legg

No. 4 Wills, and others, No. 1 Montgomery

No. 5 Continental Oil Co., No. 1 Gardner

No. 6 Hall and Wills Drilling Co., No. 1-X Fogarty

No. 7 H. & W. Drilling Co., No. 1 Danford

No. 8 R. L. Harrison, No. 1 Rowley

This report is preliminary and has not been edited for conformity with Geological Survey format and nomenclature